

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/03630

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 601L7/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 601L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 687 895 A (INSTRUMENTARIUM CORP) 20 December 1995 (1995-12-20) the whole document	1-14
A	US 6 311 561 B1 (JUST MARCUS S ET AL) 6 November 2001 (2001-11-06) column 7, line 32 -column 9, line 25 figures 5-7	1-14
A	PATENT ABSTRACTS OF JAPAN vol. 2002, no. 05, 3 May 2002 (2002-05-03) -& JP 2002 005771 A (NIPPON FLOW CELL KK), 9 January 2002 (2002-01-09) abstract	1-14
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *G* document member of the same patent family

Date of the actual completion of the international search

15 July 2003

Date of mailing of the international search report

05/08/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Coda, R

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/03630

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>GB 2 308 447 A (ULTRA HYDRAULICS LTD ;ULTRONICS LIMITED (GB)) 25 June 1997 (1997-06-25) page 2, line 18 -page 3, line 13 figure 2</p> <p>-----</p>	1-14

INTERNATIONAL SEARCH REPORT

In relation on patent family members

International application No

PCT/EP 03/03630

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0687895	A	20-12-1995	FI 942920 A	18-12-1995
			EP 0687895 A2	20-12-1995
			JP 8042691 A	16-02-1996
			US 5627321 A	06-05-1997
US 6311561	B1	06-11-2001	US 6076409 A	20-06-2000
			AU 3585200 A	18-08-2000
			WO 0045143 A1	03-08-2000
			AU 2204499 A	12-07-1999
			CA 2315642 A1	01-07-1999
			CN 1284163 T	14-02-2001
			EP 1055106 A2	29-11-2000
			JP 2001527210 T	25-12-2001
			WO 9932865 A2	01-07-1999
JP 2002005771	A	09-01-2002	NONE	
GB 2308447	A	25-06-1997	NONE	